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Lambourne et al.(10) **Pub. No.: US 2021/0110826 A1**(43) **Pub. Date: Apr. 15, 2021**(54) **HOME GRAPH****H04R 3/00** (2006.01)**G06F 3/16** (2006.01)(71) Applicant: **Sonos, Inc.**, Santa Barbara, CA (US)(52) **U.S. Cl.**(72) Inventors: **Robert Lambourne**, Santa Barbara, CA (US); **Dayn Wilberding**, Santa Barbara, CA (US); **Jeffrey Torgerson**, Seattle, WA (US)CPC **G10L 15/22** (2013.01); **H04R 3/12** (2013.01); **H04R 5/04** (2013.01); **G10L 2015/223** (2013.01); **H04R 3/005** (2013.01); **G06F 3/167** (2013.01); **G10L 2015/088** (2013.01); **G10L 15/08** (2013.01)(21) Appl. No.: **17/077,974**

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Example techniques involve a control hierarchy for a “smart” home having smart appliances and related devices, such as wireless illumination devices, home-automation devices (e.g., thermostats, door locks, etc.), and audio play-back devices, among others. An example home includes various rooms in which smart devices might be located. Under the example control hierarchy described herein and referred to as “home graph,” a name of a room (e.g., “Kitchen”) may represent a smart device (or smart devices) within that room. In other words, from the perspective of a user, the smart devices within a room are that room. This hierarchy permits a user to refer to a smart device within a given room by way of the name of the room when controlling smart devices within the home using a voice user interface (VUI) or graphical user interface (GUI).

